

FIG. 1A (PRIOR ART)

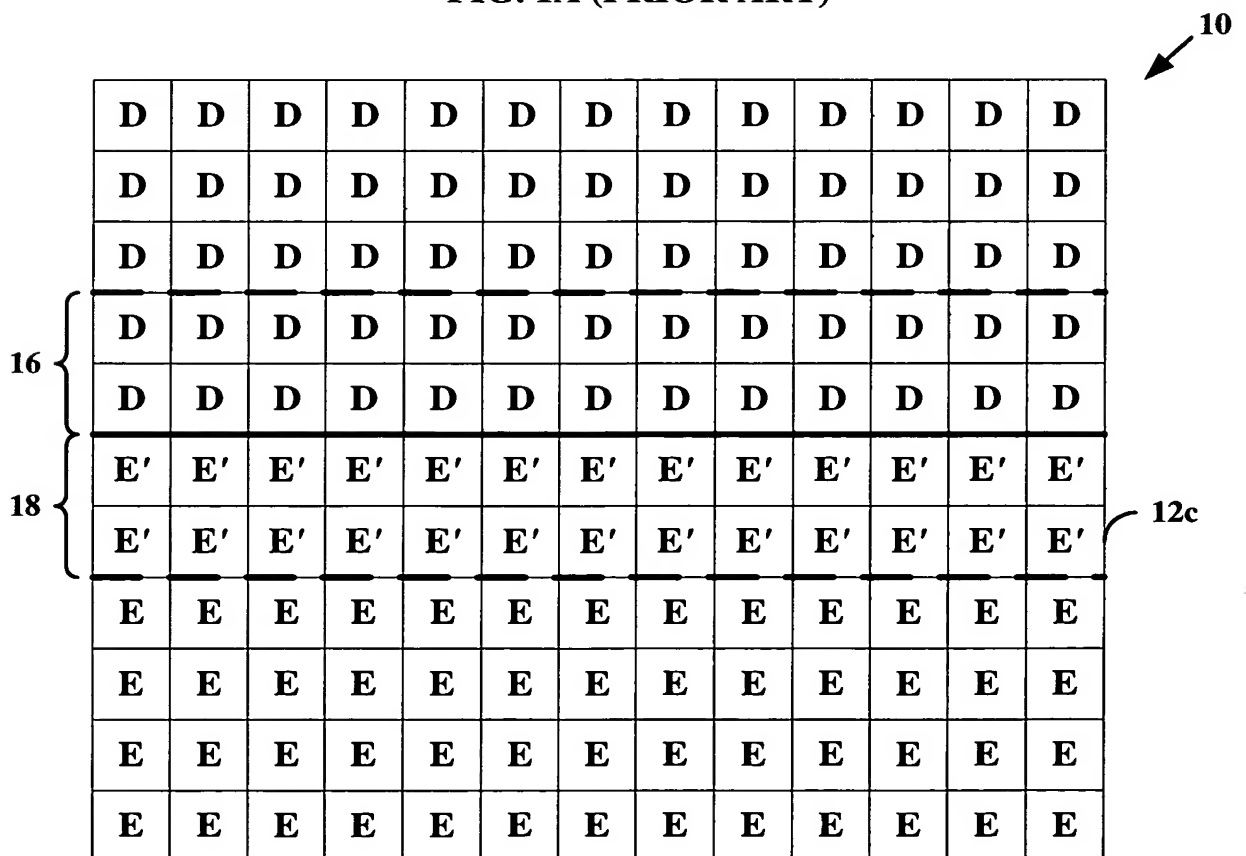


FIG. 1B (PRIOR ART)

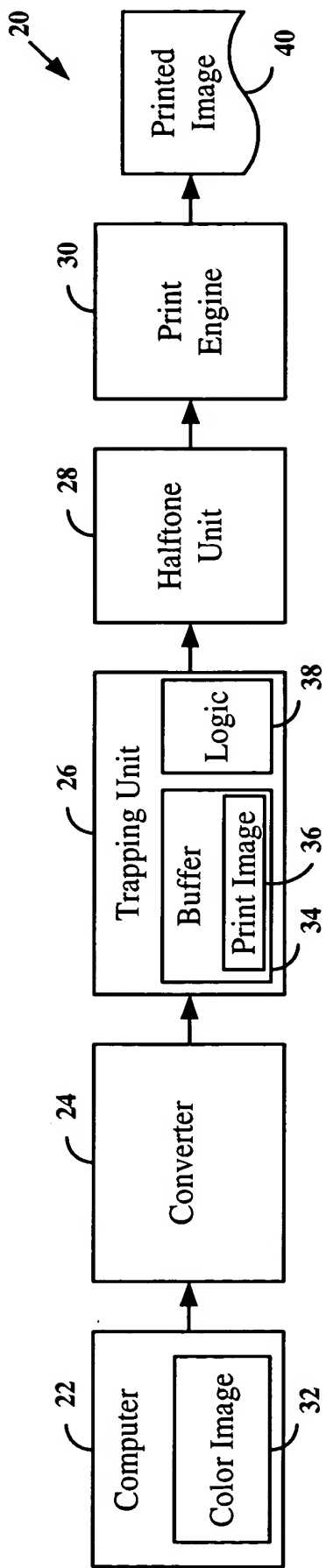


FIG. 2

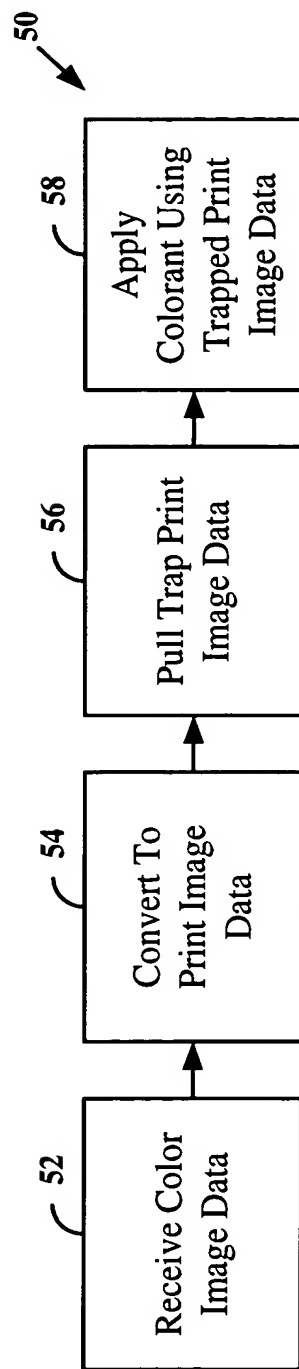


FIG. 3

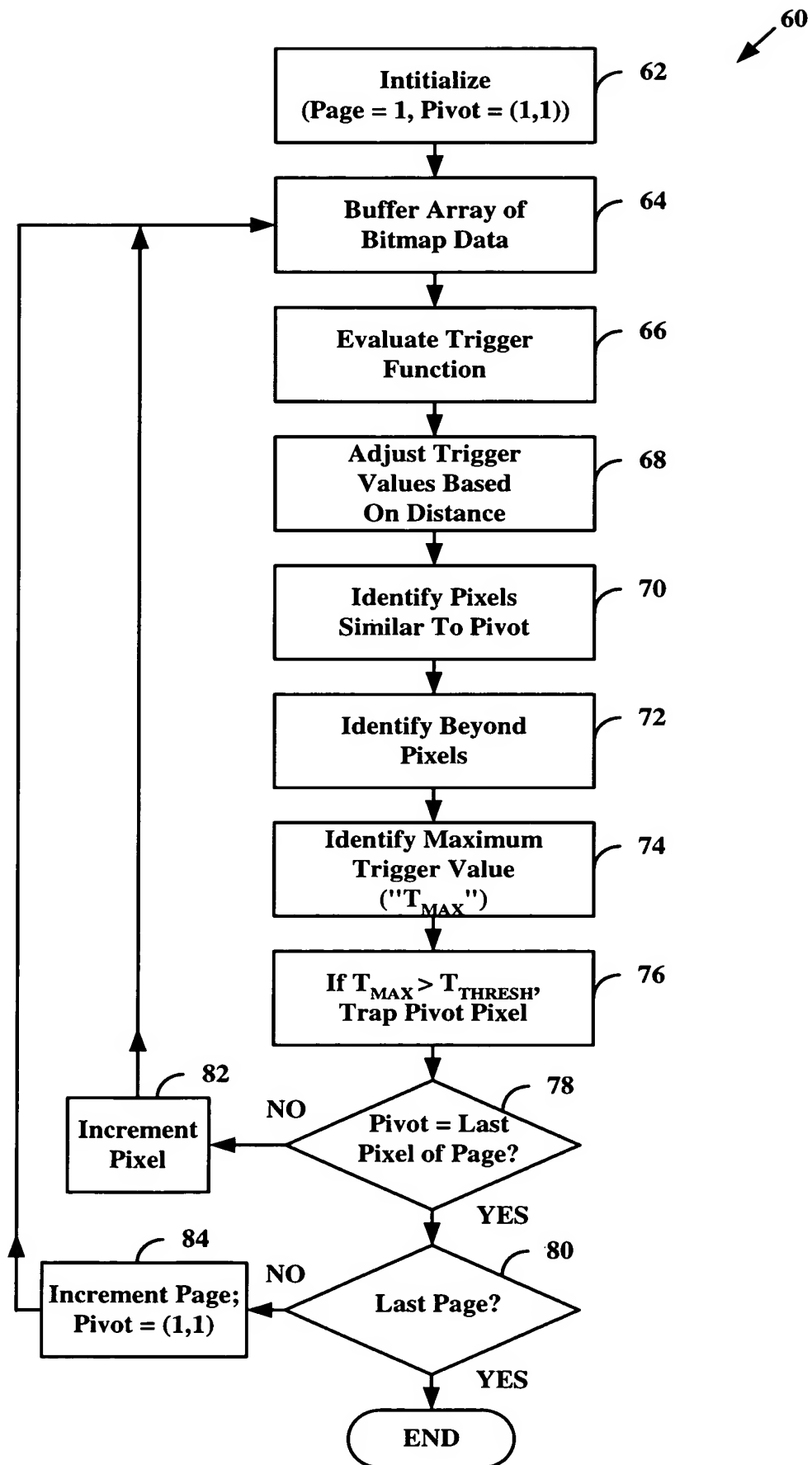
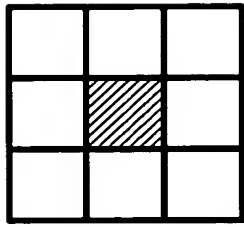
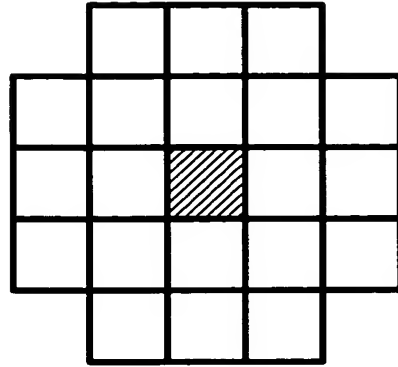


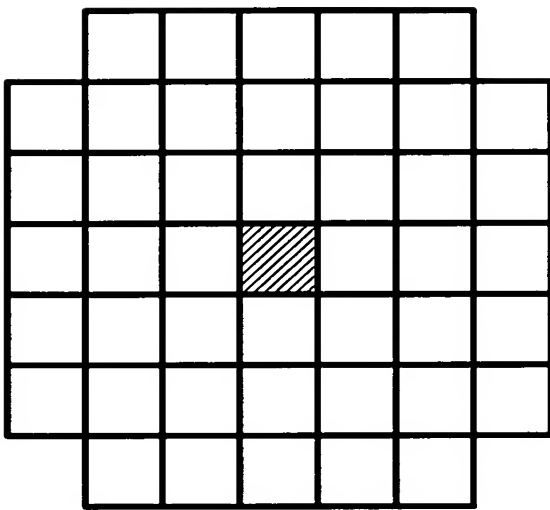
FIG. 4



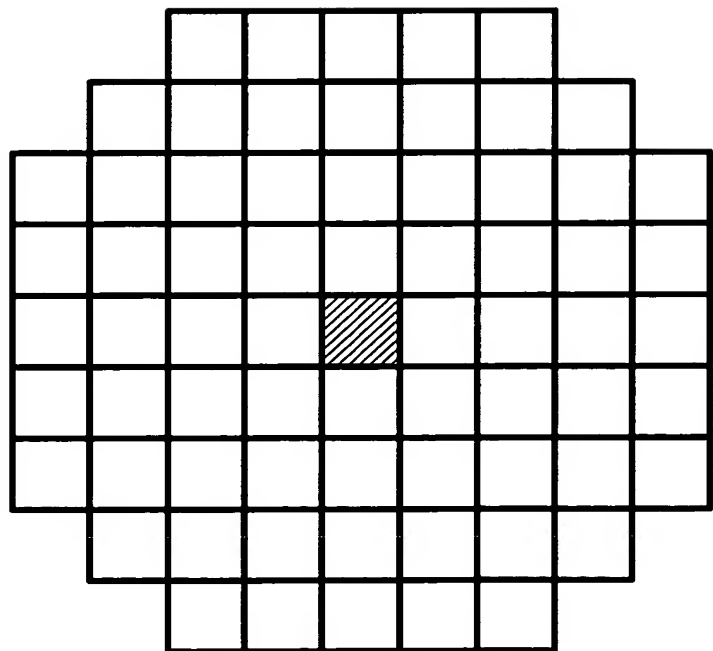
**FIG. 5A**



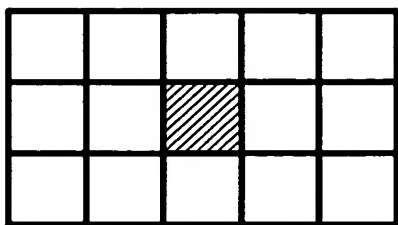
**FIG. 5B**



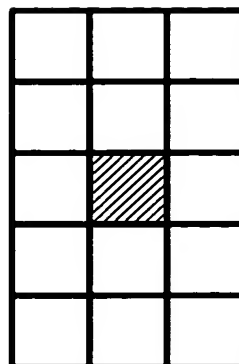
**FIG. 5C**



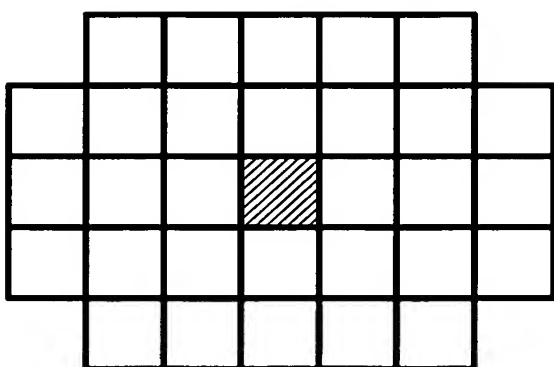
**FIG. 5D**



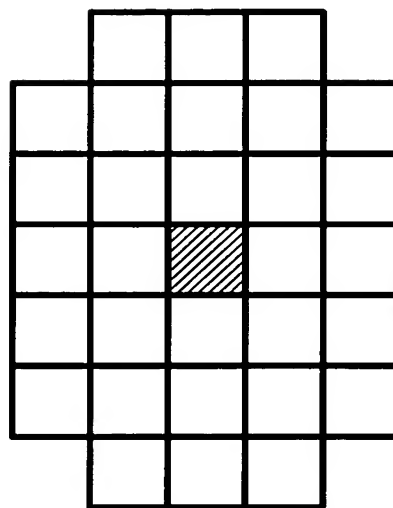
**FIG. 5E**



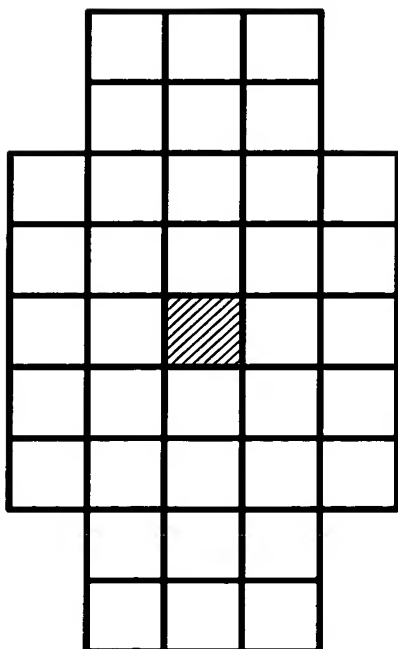
**FIG. 5F**



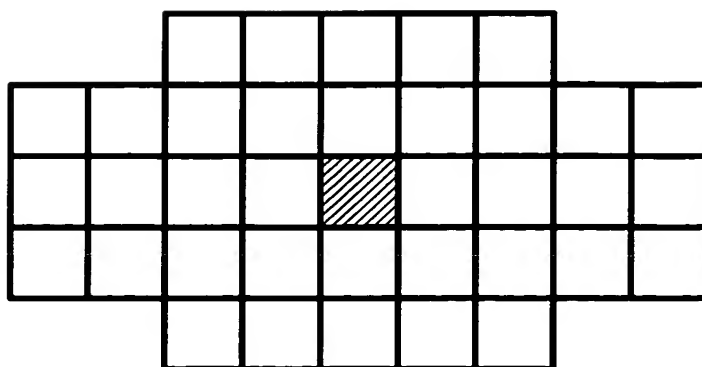
**FIG. 5G**



**FIG. 5H**



**FIG. 5I**



**FIG. 5J**

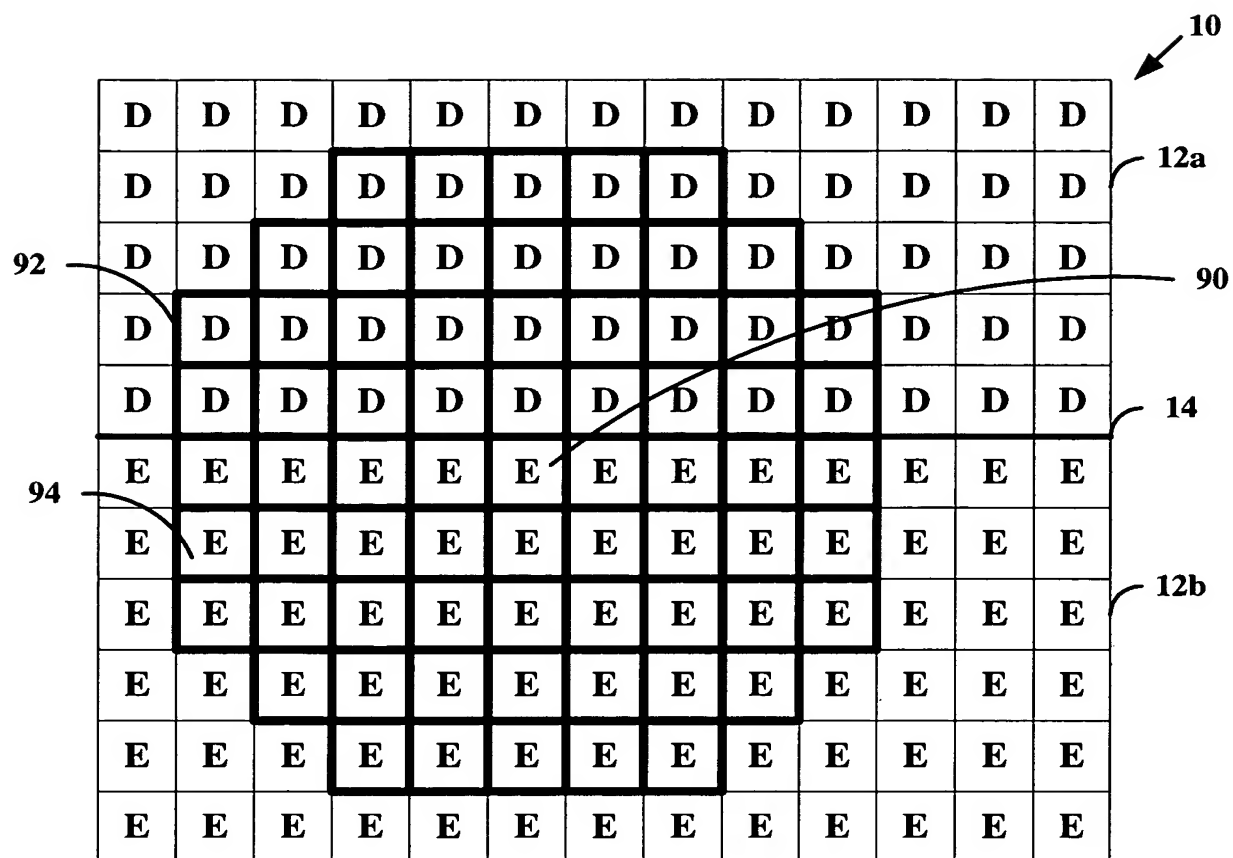


FIG. 6

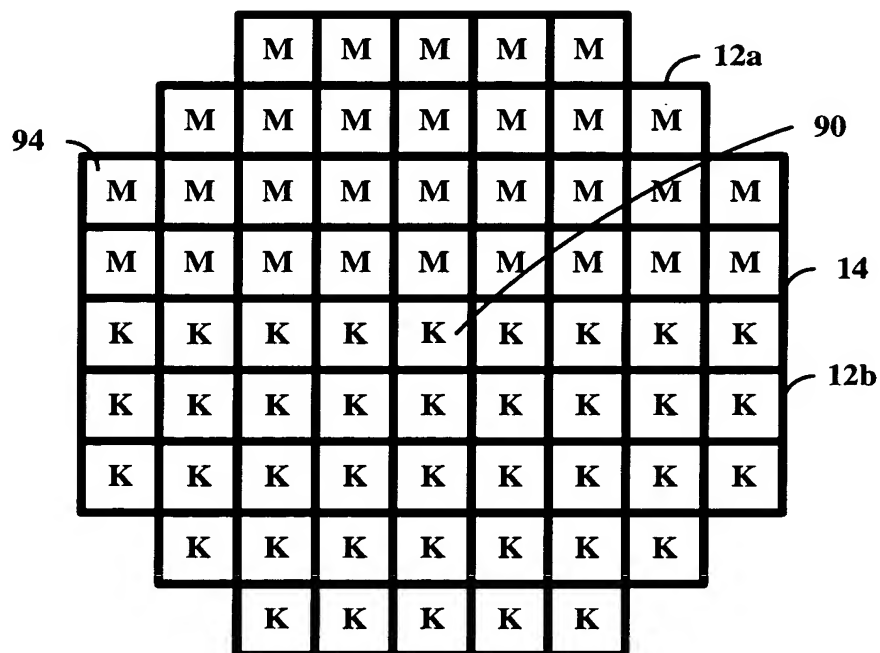


FIG. 7

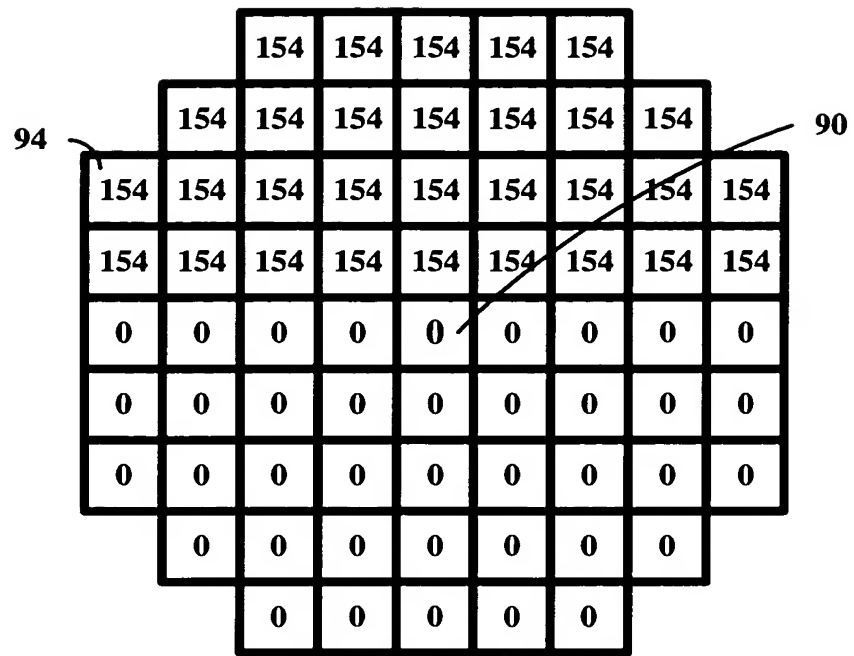


FIG. 8

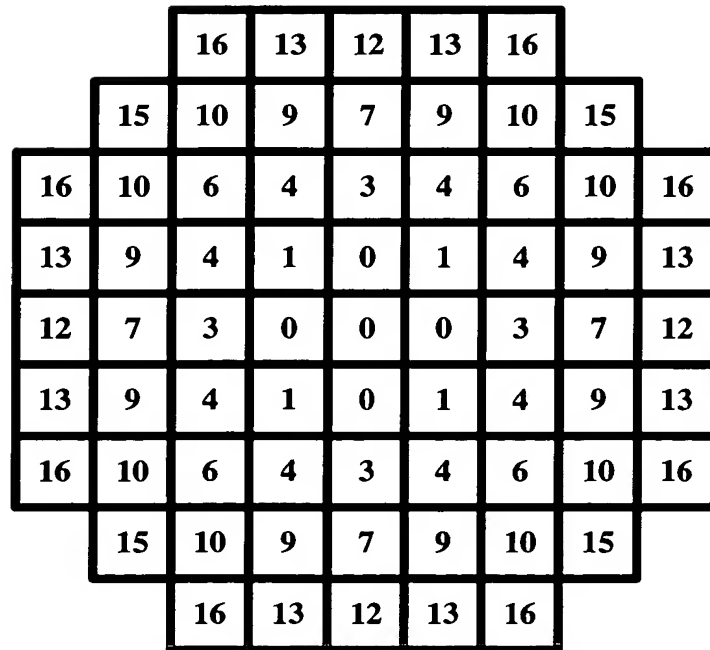


FIG. 9

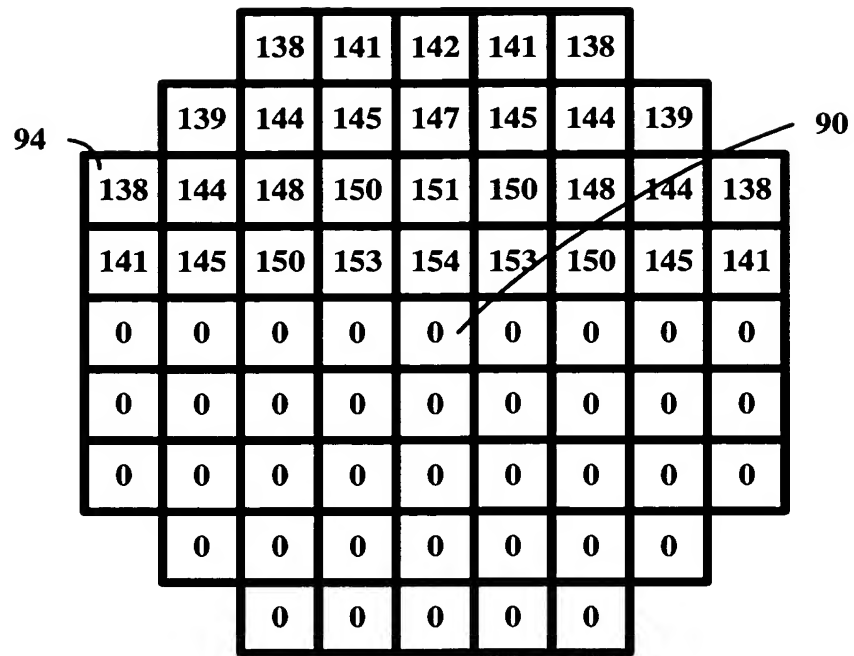


FIG. 10

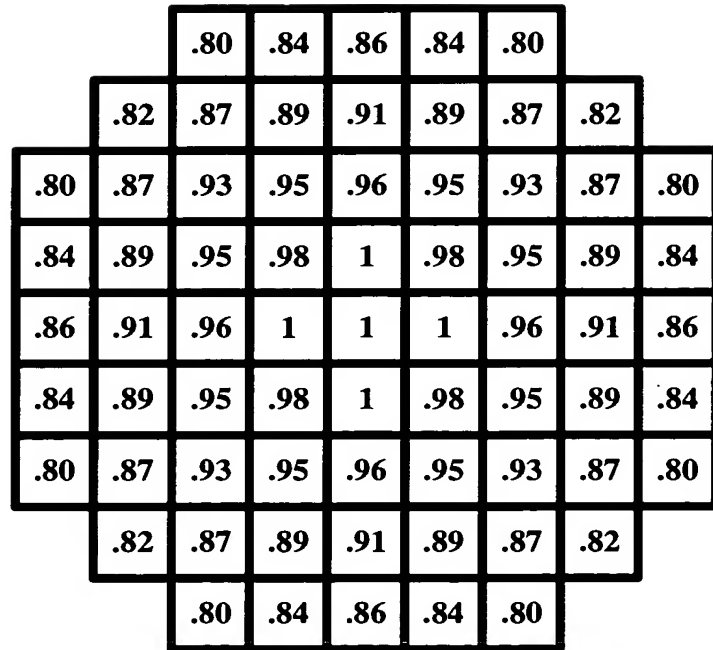


FIG. 11



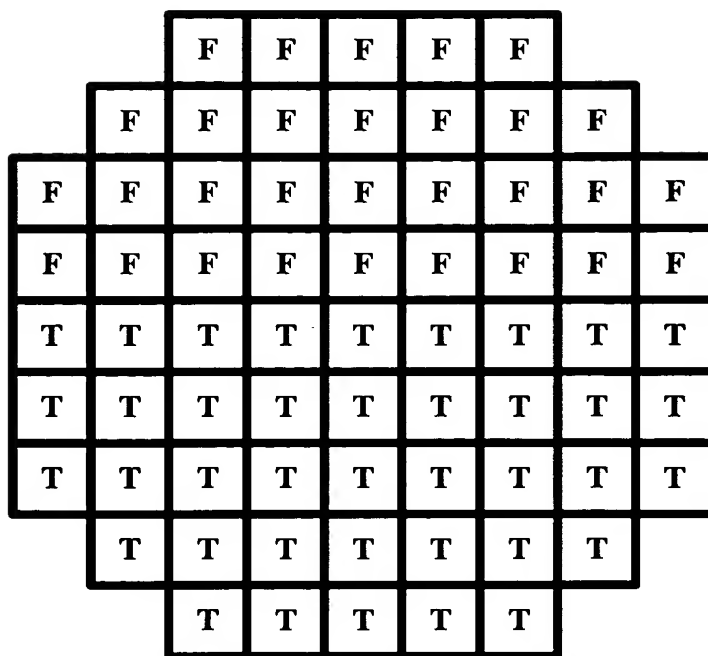


FIG. 12

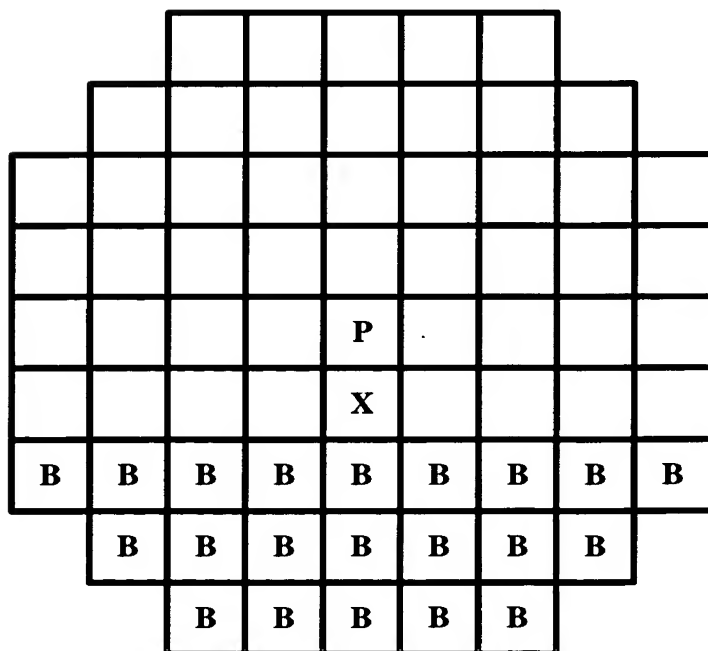


FIG. 13A

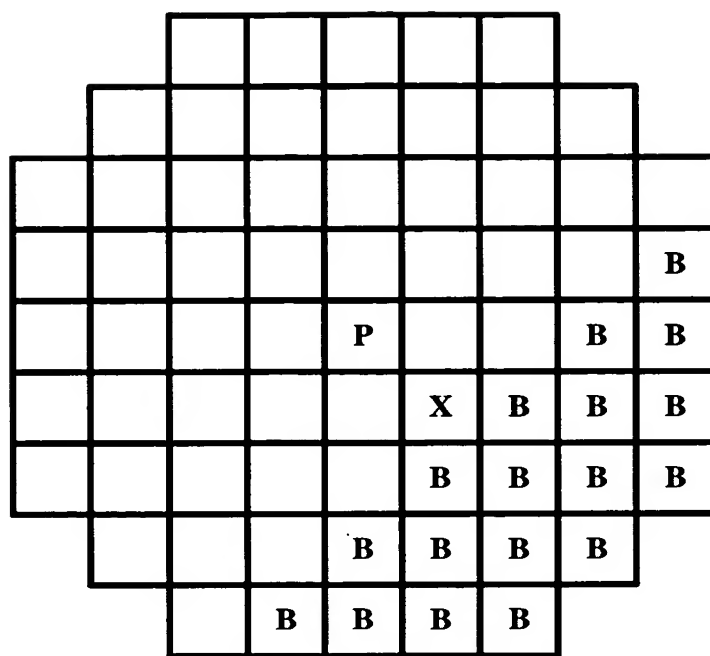


FIG. 13B

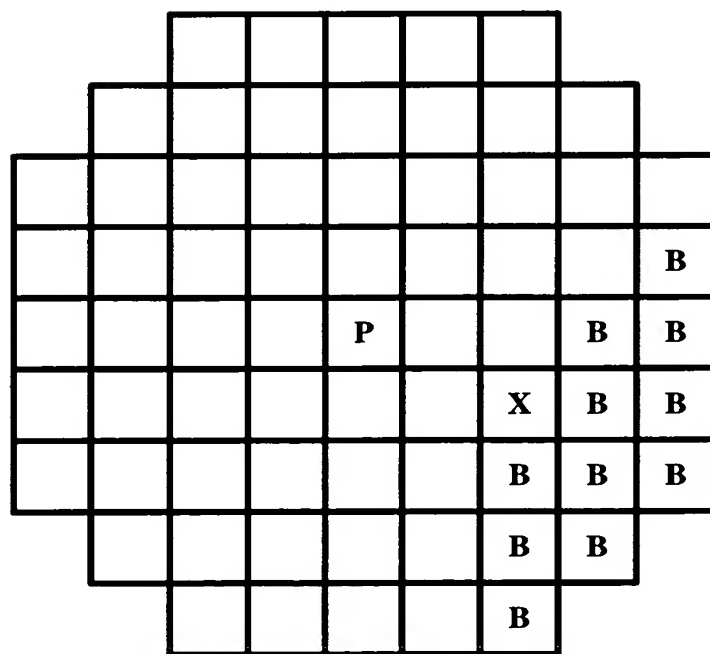


FIG. 13C

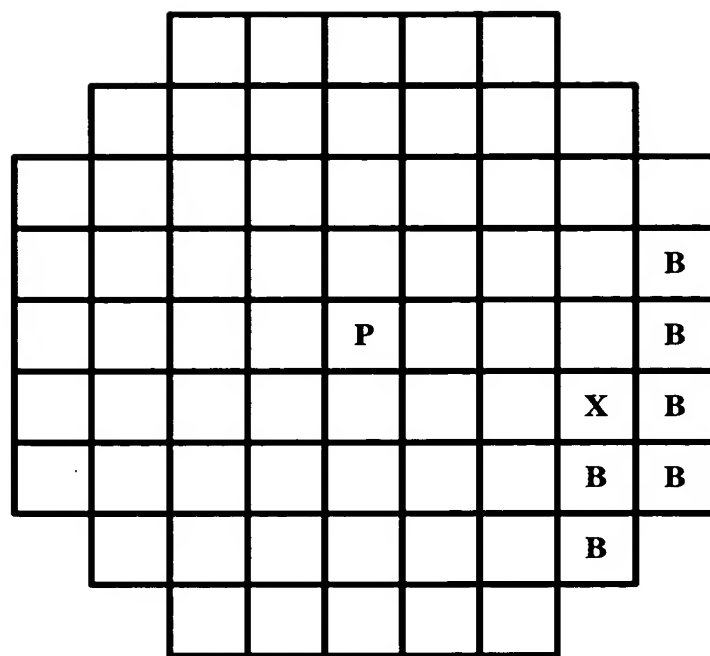


FIG. 13D

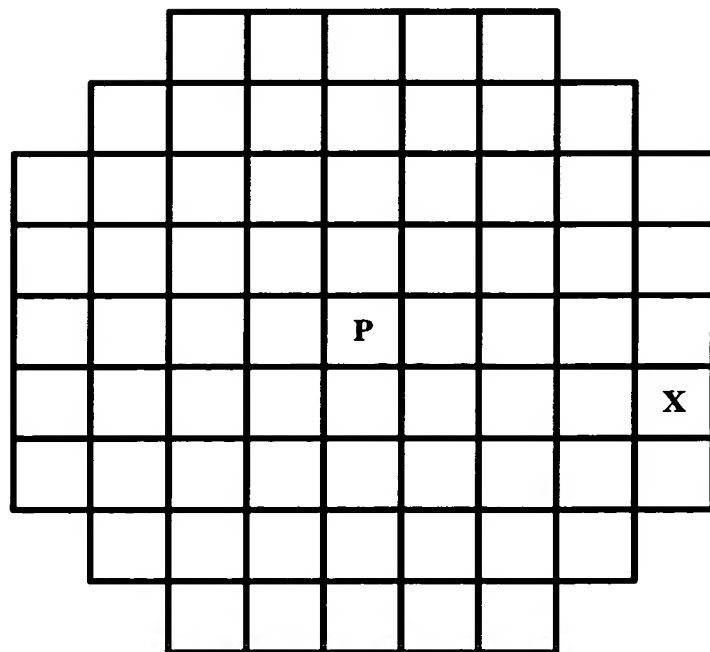


FIG. 13E

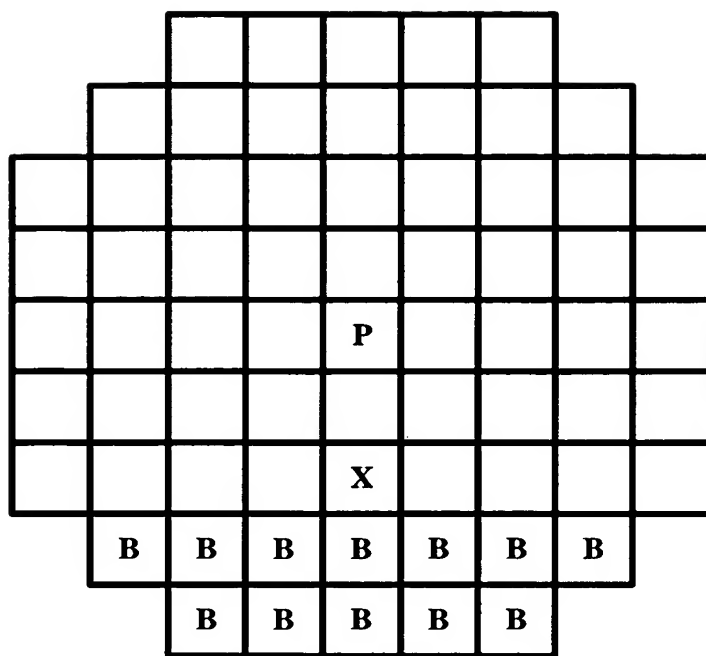


FIG. 13F

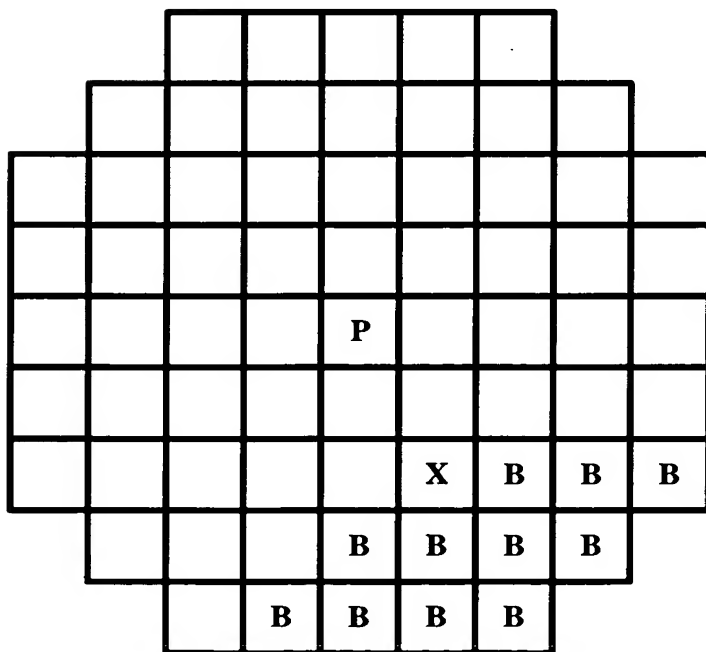


FIG. 13G

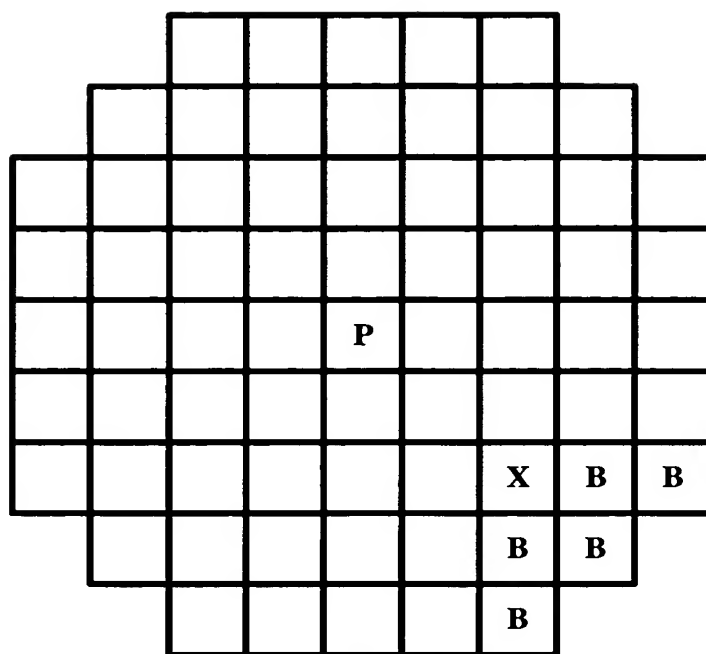


FIG. 13H

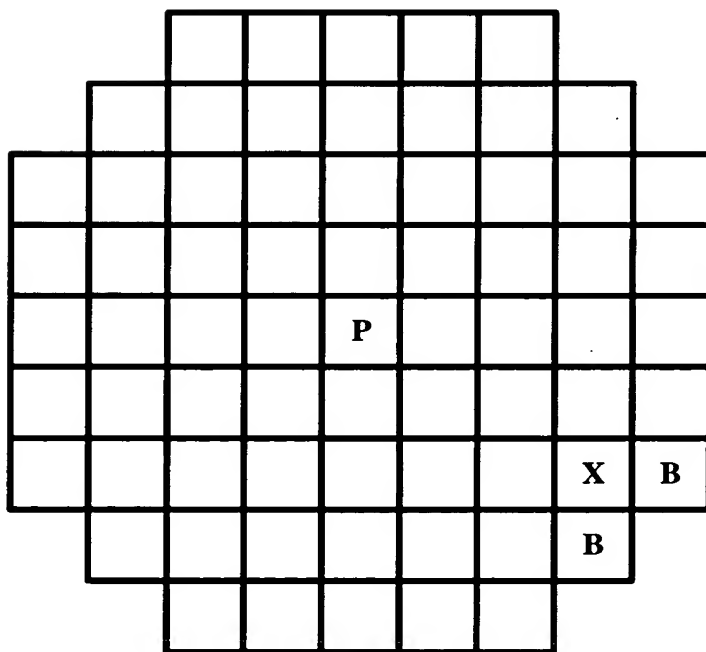
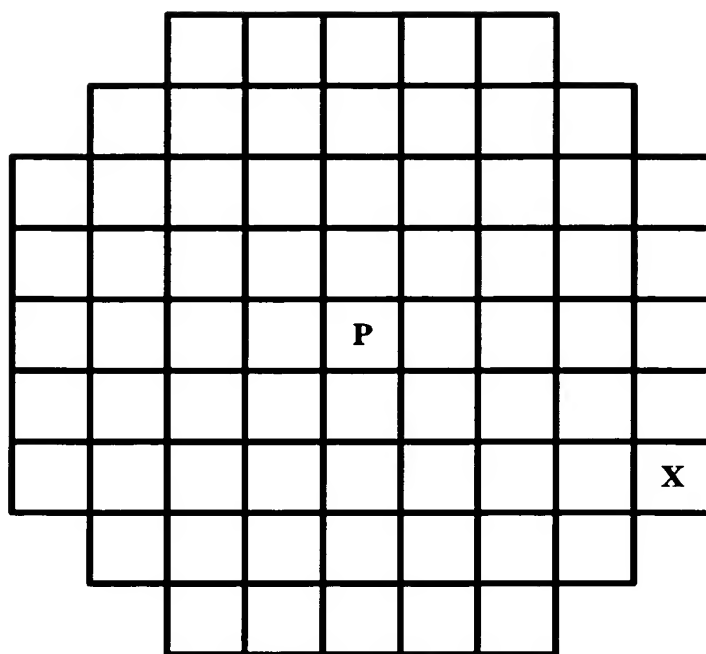
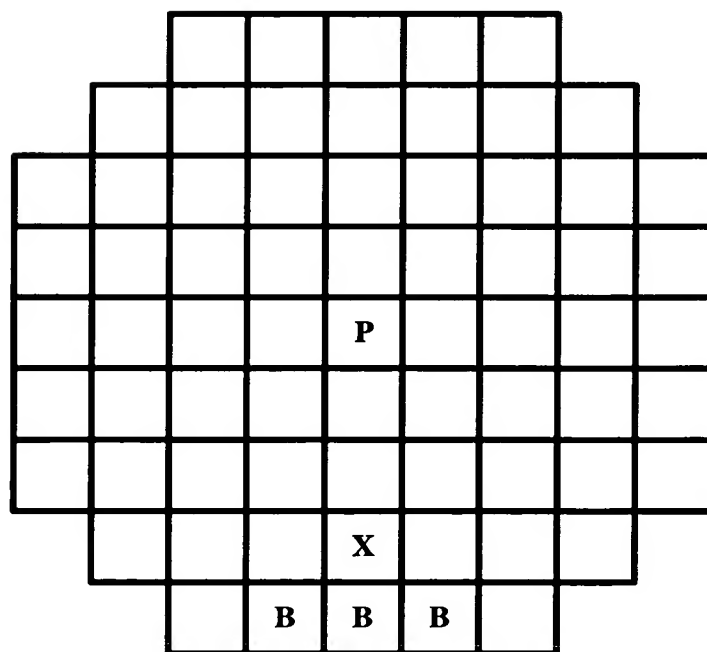


FIG. 13I



**FIG. 13J**



**FIG. 13K**

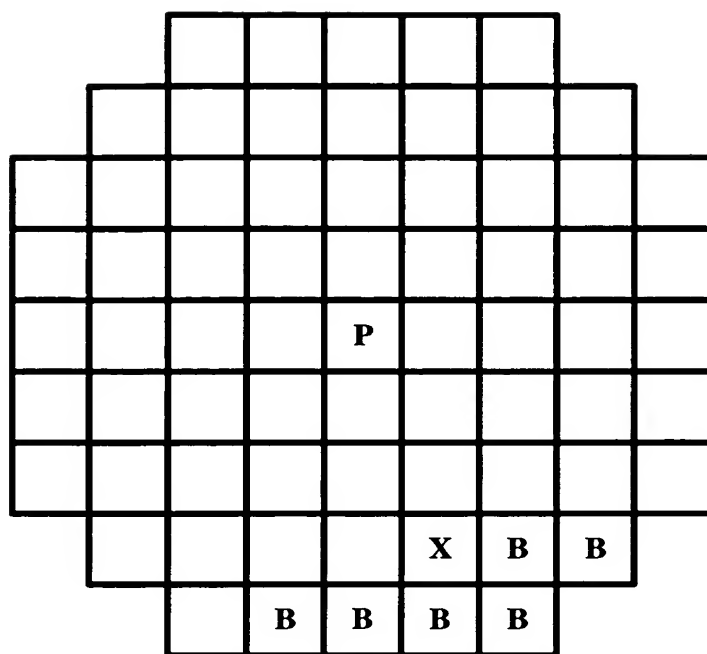


FIG. 13L

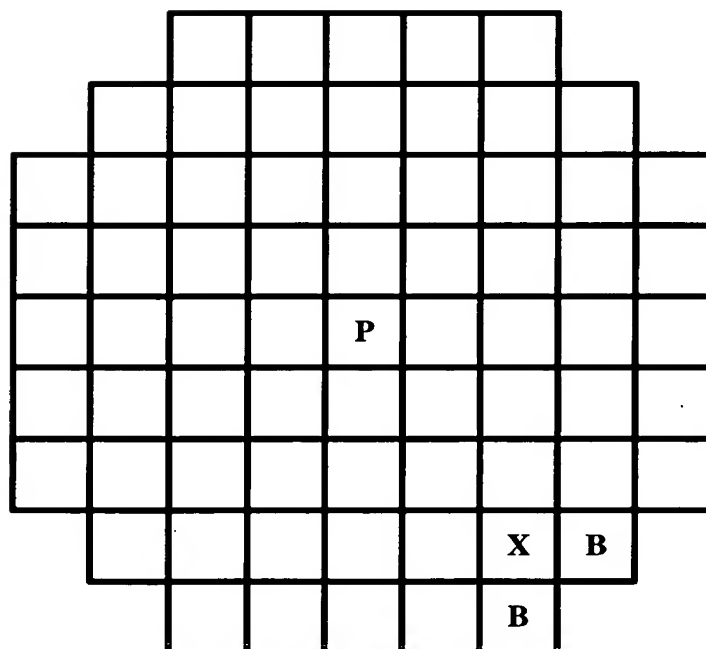
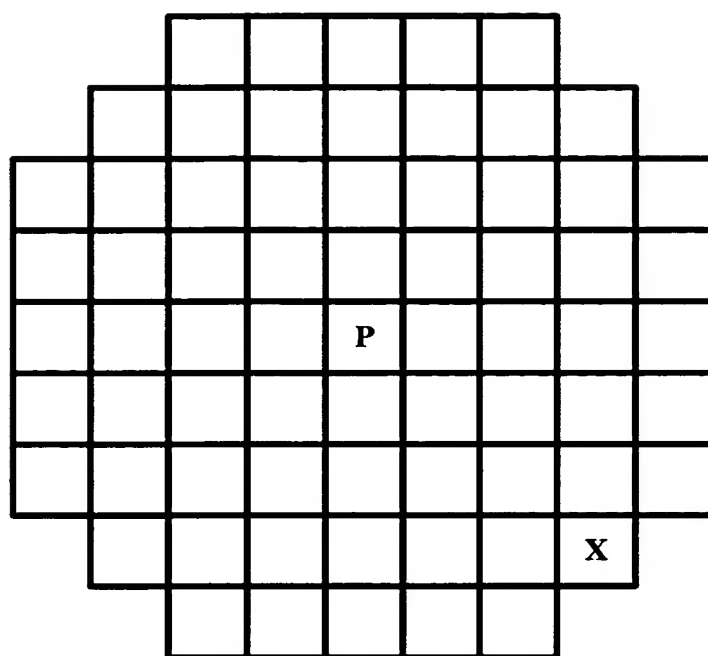
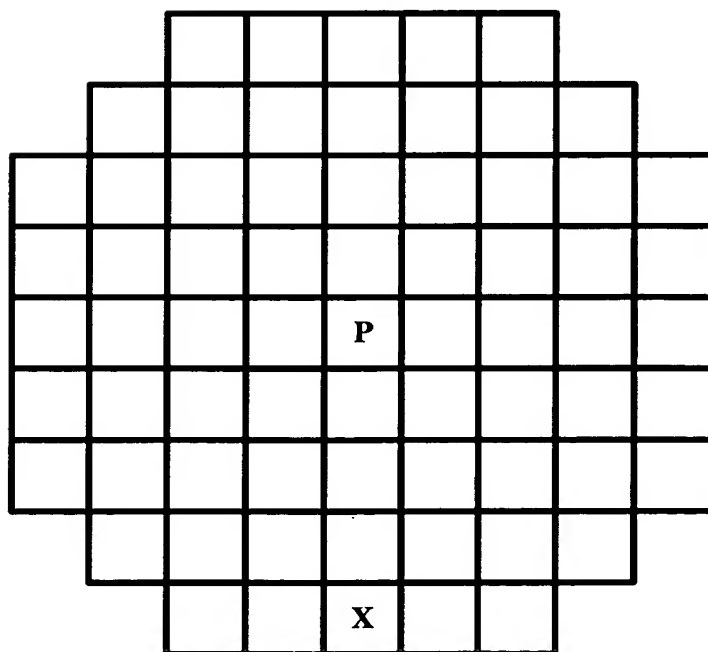


FIG. 13M

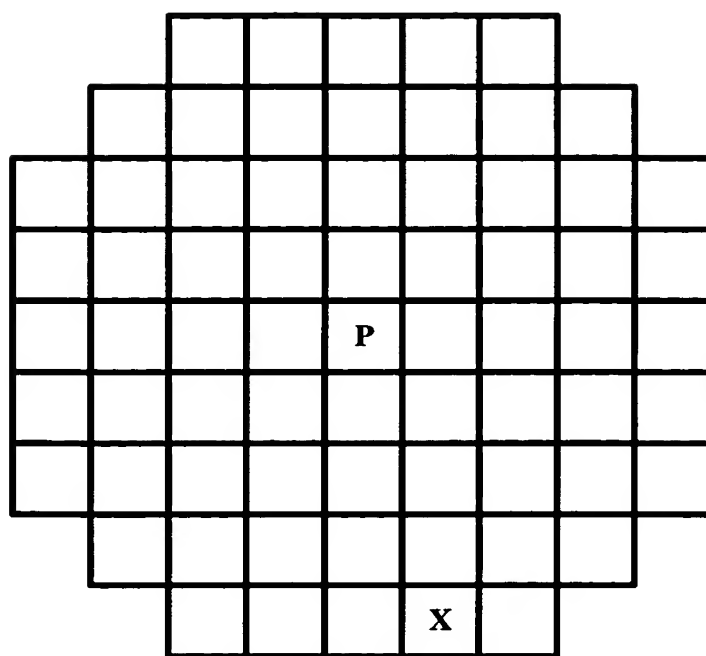


**FIG. 13N**

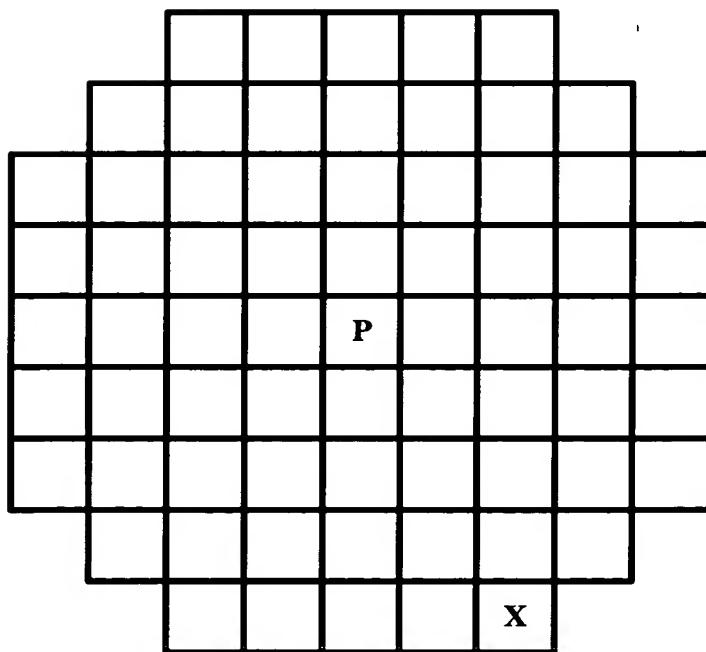


**FIG. 13O**





**FIG. 13P**



**FIG. 13Q**

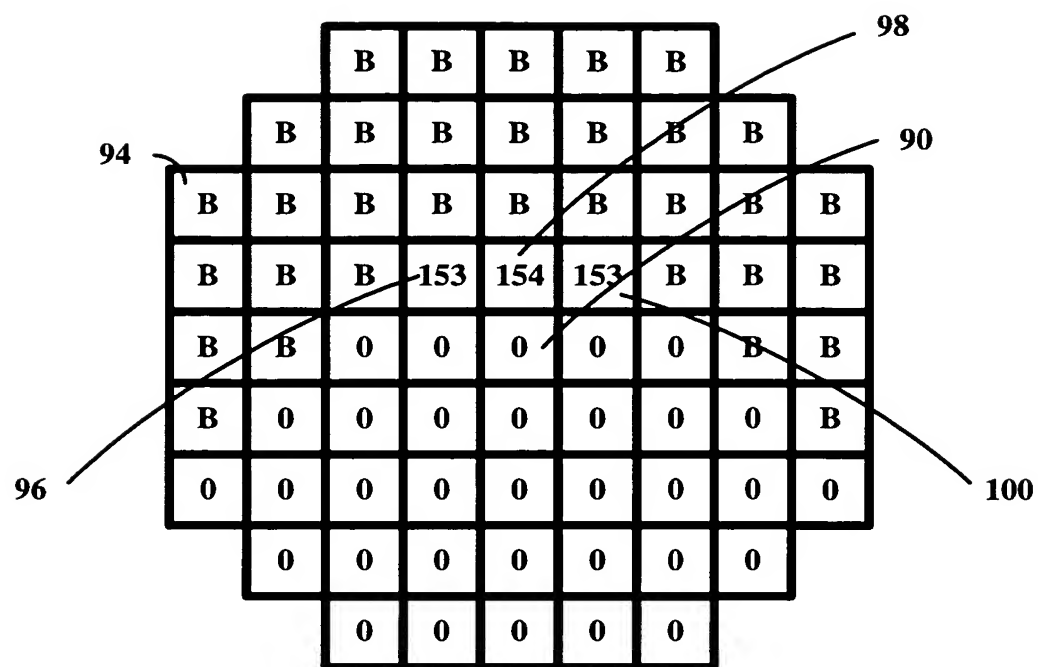


FIG. 14

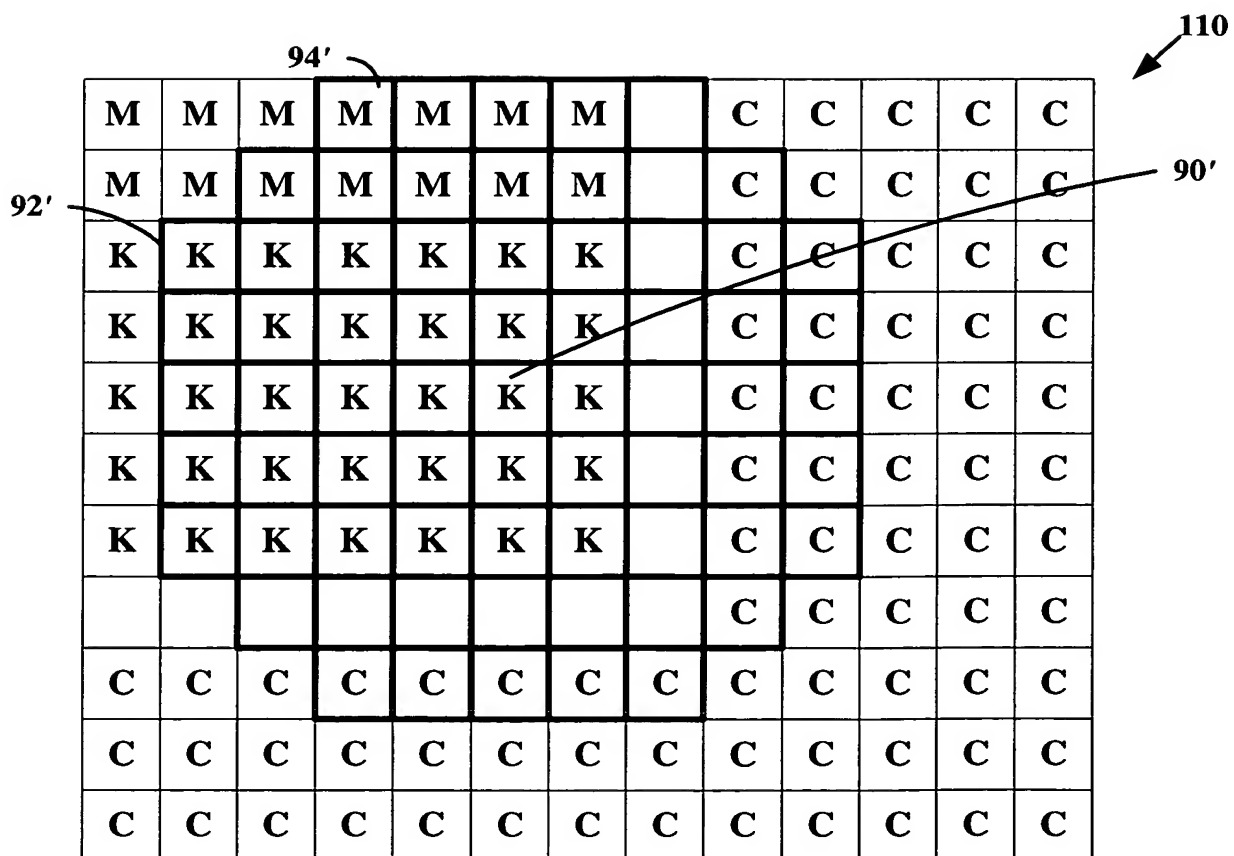


FIG. 15

			154	154	154	154	0	
		154	154	154	154	154	0	204
0	0	0	0	0	0	0	204	204
0	0	0	0	0	0	0	204	204
0	0	0	0	0	0	0	204	204
0	0	0	0	0	0	0	204	204
0	0	0	0	0	0	0	204	204
	0	0	0	0	0	0	204	
		204	204	204	204	204		

FIG. 16

			138	141	142	141	0	
		139	144	145	147	145	0	189
0	0	0	0	0	0	0	194	188
0	0	0	0	0	0	0	195	191
0	0	0	0	0	0	0	197	192
0	0	0	0	0	0	0	195	191
0	0	0	0	0	0	0	194	188
	0	0	0	0	0	0	189	
		188	191	192	191	188		

FIG. 17

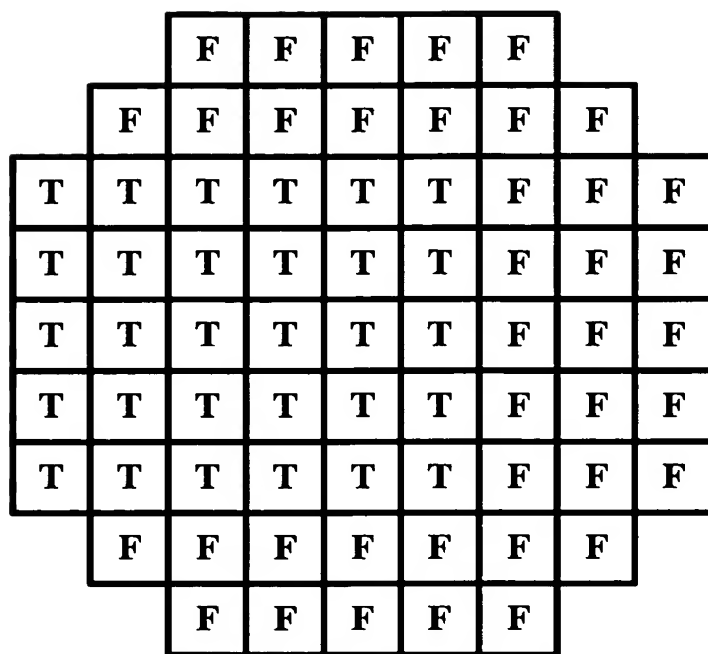


FIG. 18

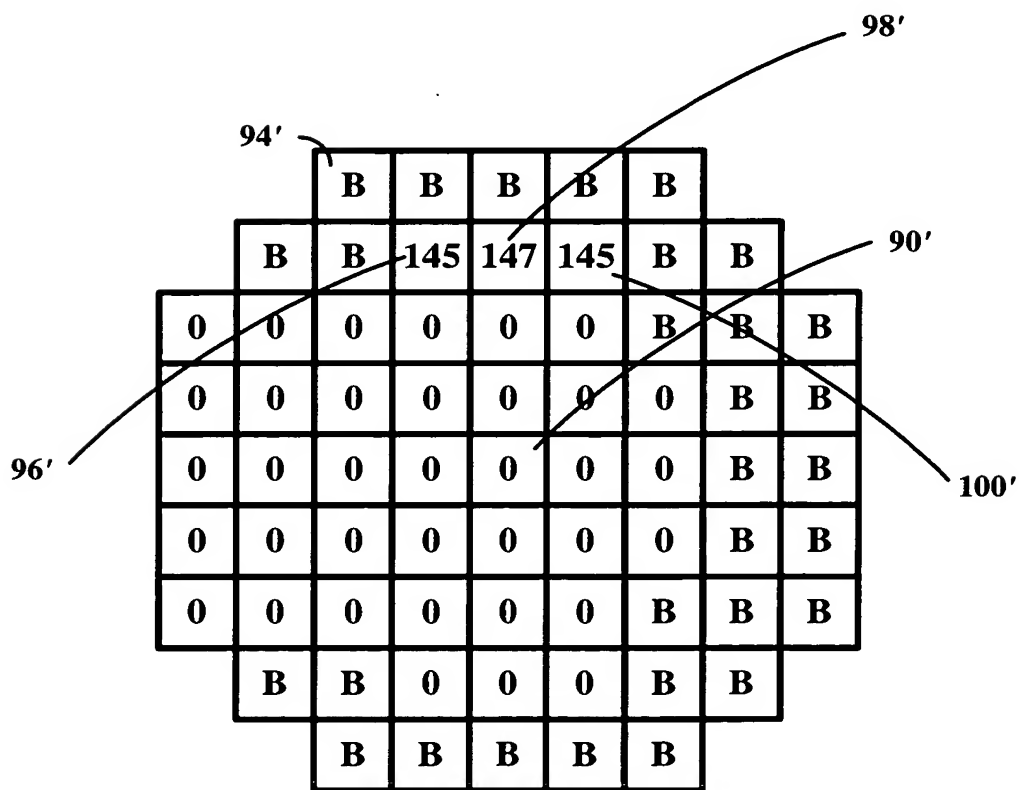
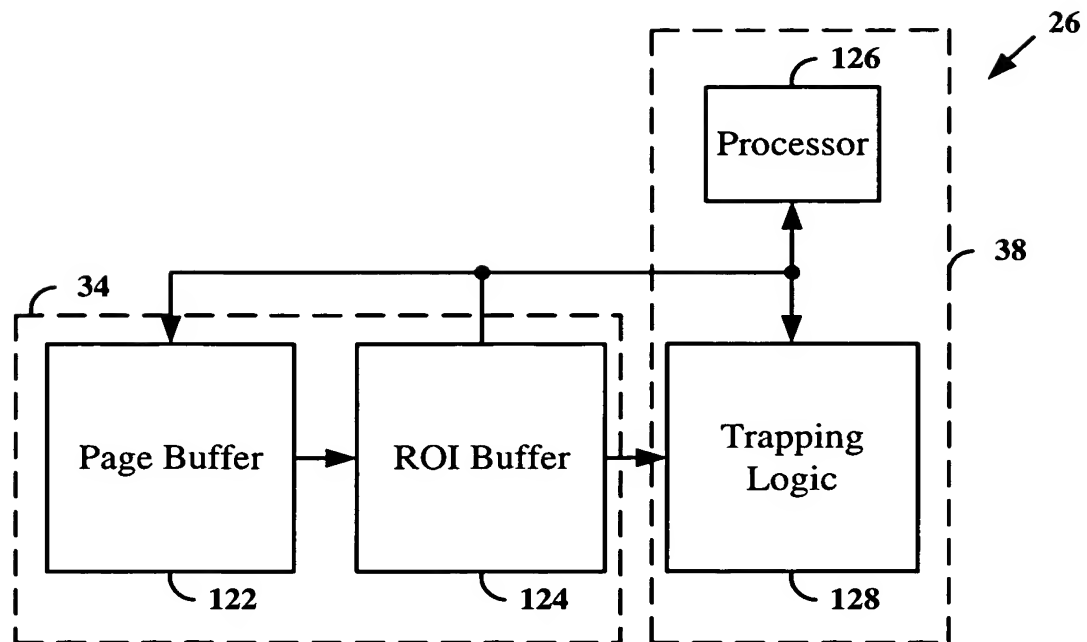


FIG. 19



**FIG. 20**

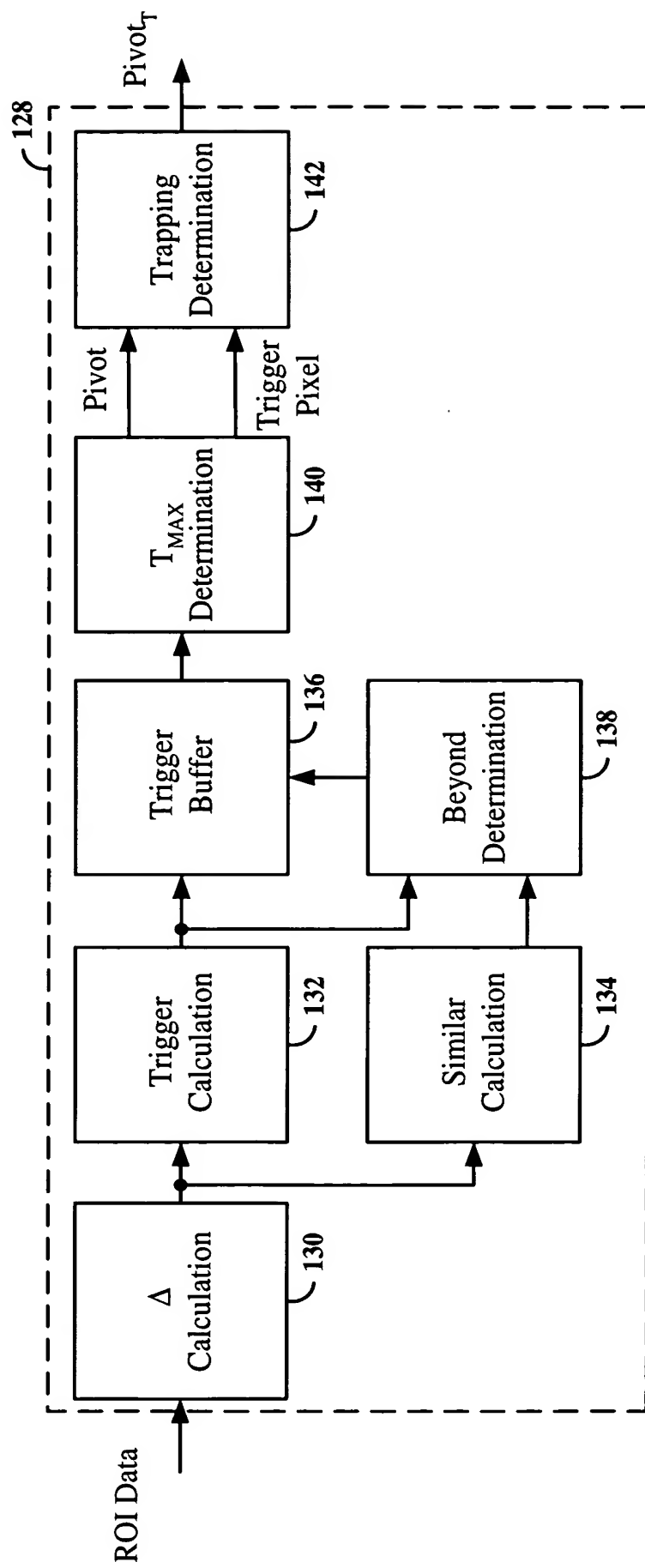


FIG. 21A

Stage \ Clock Cycle	1	2	3	4	5
$\Delta$ Calculation	$i$	$i + 1$	$i + 2$	$i + 3$	$i + 4$
Trigger Calculation & Similar Calculation	$i - 1$	$i$	$i + 1$	$i + 2$	$i + 3$
Trigger Buffer & Beyond Determination	$i - 2$	$i - 1$	$i$	$i + 1$	$i + 2$
$T_{MAX}$ Determination	$i - 3$	$i - 2$	$i - 1$	$i$	$i + 1$
Trapping Determination	$i - 4$	$i - 3$	$i - 2$	$i - 1$	$i$

**FIG. 21B**

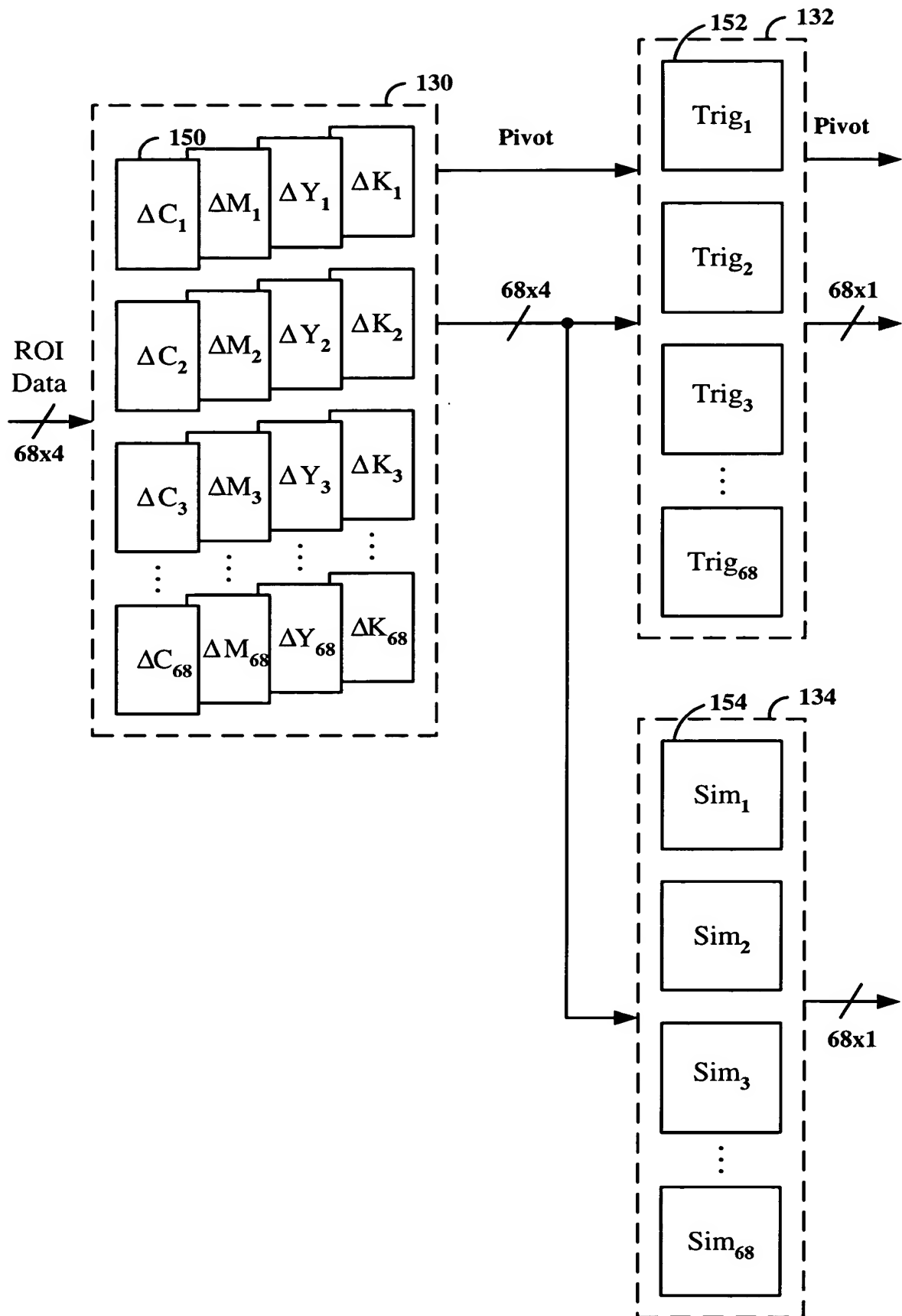


FIG. 22A



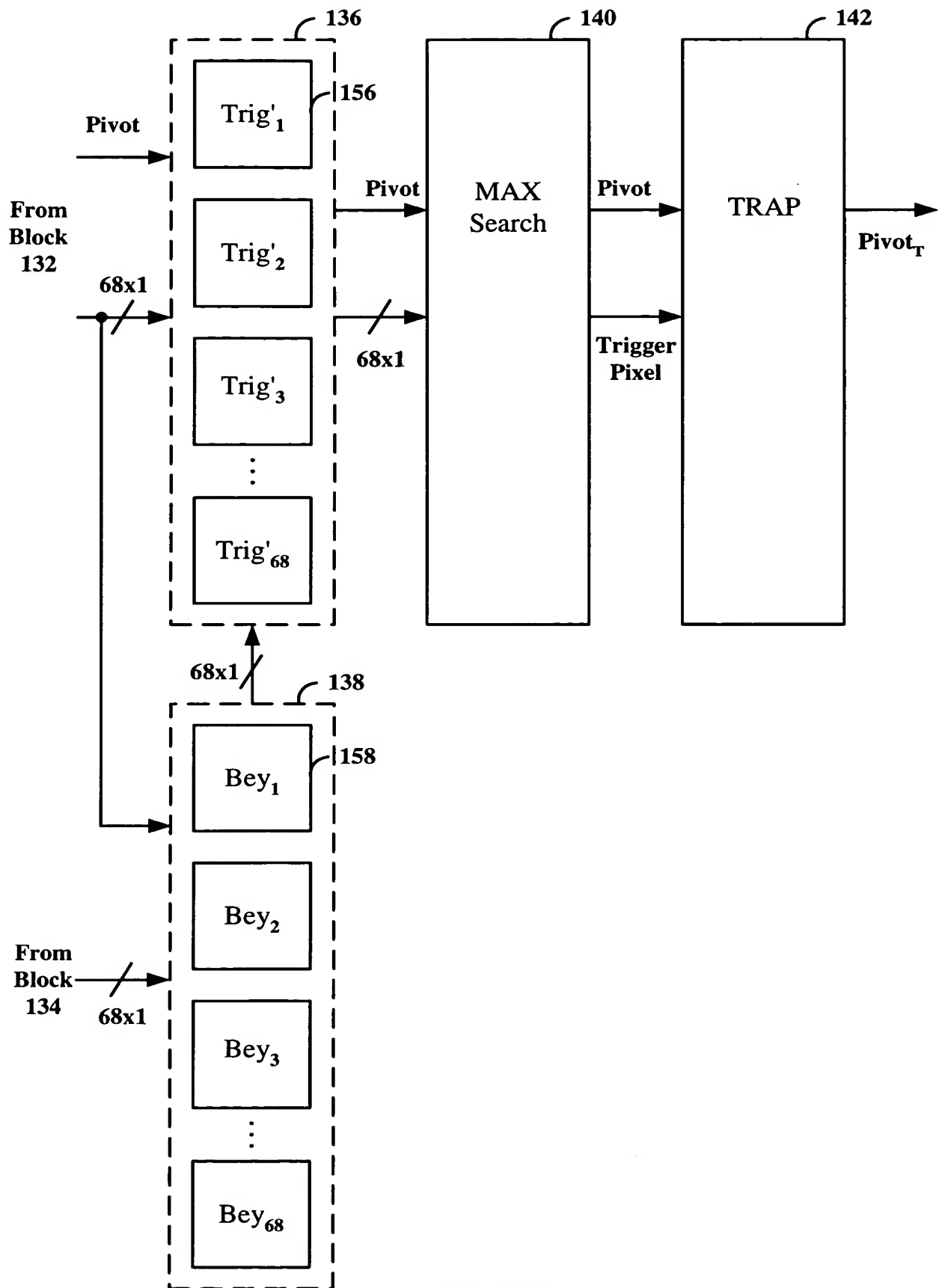


FIG. 22B